James M Elliott

List of Publications by Year in descending order

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ΙΔΜΕς Μ ΕΓΓΙΟΤΤ

#	Article	IF	CITATIONS
1	Fatty Infiltration in the Cervical Extensor Muscles in Persistent Whiplash-Associated Disorders. Spine, 2006, 31, E847-E855.	2.0	230
2	Age- and Level-Dependence of Fatty Infiltration in Lumbar Paravertebral Muscles of Healthy Volunteers. American Journal of Neuroradiology, 2016, 37, 742-748.	2.4	170
3	Muscle Dysfunction in Cervical Spine Pain: Implications for Assessment and Management. Journal of Orthopaedic and Sports Physical Therapy, 2009, 39, 324-333.	3.5	158
4	Magnetic Resonance Imaging Findings of Fatty Infiltrate in the Cervical Flexors in Chronic Whiplash. Spine, 2010, 35, 948-954.	2.0	105
5	MRI study of the cross-sectional area for the cervical extensor musculature in patients with persistent whiplash associated disorders (WAD). Manual Therapy, 2008, 13, 258-265.	1.6	93
6	The AURORA Study: a longitudinal, multimodal library of brain biology and function after traumatic stress exposure. Molecular Psychiatry, 2020, 25, 283-296.	7.9	92
7	The Rapid and Progressive Degeneration of the Cervical Multifidus in Whiplash. Spine, 2015, 40, E694-E700.	2.0	91
8	The Temporal Development of Fatty Infiltrates in the Neck Muscles Following Whiplash Injury: An Association with Pain and Posttraumatic Stress. PLoS ONE, 2011, 6, e21194.	2.5	91
9	Manually defining regions of interest when quantifying paravertebral muscles fatty infiltration from axial magnetic resonance imaging: a proposed method for the lumbar spine with anatomical cross-reference. BMC Musculoskeletal Disorders, 2017, 18, 25.	1.9	88
10	Differential Changes in Muscle Composition Exist in Traumatic and Nontraumatic Neck Pain. Spine, 2014, 39, 39-47.	2.0	87
11	Muscle–fat MRI: 1.5 tesla and 3.0 tesla versus histology. Muscle and Nerve, 2014, 50, 170-176.	2.2	81
12	Is There Altered Activity of the Extensor Muscles in Chronic Mechanical Neck Pain? A Functional Magnetic Resonance Imaging Study. Archives of Physical Medicine and Rehabilitation, 2011, 92, 929-934.	0.9	75
13	External Validation of a Clinical Prediction Rule to Predict Full Recovery and Ongoing Moderate/Severe Disability Following Acute Whiplash Injury. Journal of Orthopaedic and Sports Physical Therapy, 2015, 45, 242-250.	3.5	70
14	Age and side-related morphometric MRI evaluation of trunk muscles in people without back pain. Manual Therapy, 2015, 20, 90-95.	1.6	62
15	Characterization of Acute and Chronic Whiplash-Associated Disorders. Journal of Orthopaedic and Sports Physical Therapy, 2009, 39, 312-323.	3.5	59
16	An Integrated Model of Chronic Whiplash-Associated Disorder. Journal of Orthopaedic and Sports Physical Therapy, 2017, 47, 462-471.	3.5	48
17	The clinical presentation of chronic whiplash and the relationship to findings of MRI fatty infiltrates in the cervical extensor musculature: a preliminary investigation. European Spine Journal, 2009, 18, 1371-1378.	2.2	46
18	Rate of lumbar paravertebral muscle fat infiltration versus spinal degeneration in asymptomatic populations: an age-aggregated cross-sectional simulation study. Scoliosis and Spinal Disorders, 2016, 11, 21.	2.3	44

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19	Craniocervical Orientation Affects Muscle Activation When Exercising the Cervical Extensors in Healthy Subjects. Archives of Physical Medicine and Rehabilitation, 2010, 91, 1418-1422.	0.9	43
20	Are There Implications for Morphological Changes in Neck Muscles After Whiplash Injury?. Spine, 2011, 36, S205-S210.	2.0	43
21	The Geography of Fatty Infiltrates Within the Cervical Multifidus and Semispinalis Cervicis in Individuals With Chronic Whiplash-Associated Disorders. Journal of Orthopaedic and Sports Physical Therapy, 2015, 45, 281-288.	3.5	43
22	Deep Learning Convolutional Neural Networks for the AutomaticÂQuantification ofÂMuscle Fat Infiltration Following Whiplash Injury. Scientific Reports, 2019, 9, 7973.	3.3	43
23	Potential Processes Involved in the Initiation and Maintenance of Whiplash-Associated Disorders. Spine, 2011, 36, S322-S329.	2.0	42
24	Geography of Lumbar Paravertebral Muscle Fatty Infiltration. Spine, 2019, 44, 1294-1302.	2.0	41
25	Multifidi Muscle Characteristics and Physical Function Among Older Adults With and Without Chronic Low Back Pain. Archives of Physical Medicine and Rehabilitation, 2017, 98, 51-57.	0.9	40
26	Structural changes of the cervical muscles in elder women with cervicogenic headache. Musculoskeletal Science and Practice, 2017, 29, 1-6.	1.3	38
27	The Course of Serum Inflammatory Biomarkers Following Whiplash Injury and Their Relationship to Sensory and Muscle Measures: a Longitudinal Cohort Study. PLoS ONE, 2013, 8, e77903.	2.5	37
28	Morphological changes in the cervical muscles of women with chronic whiplash can be modified with exercise—A pilot study. Muscle and Nerve, 2015, 52, 772-779.	2.2	37
29	Whiplash Injury or Concussion? A Possible Biomechanical Explanation for Concussion Symptoms in Some Individuals Following a Rear-End Collision. Journal of Orthopaedic and Sports Physical Therapy, 2016, 46, 874-885.	3.5	36
30	Prognostic neuroimaging biomarkers of trauma-related psychopathology: resting-state fMRI shortly after trauma predicts future PTSD and depression symptoms in the AURORA study. Neuropsychopharmacology, 2021, 46, 1263-1271.	5.4	32
31	Quantification of cervical spine muscle fat: a comparison between T1-weighted and multi-echo gradient echo imaging using a variable projection algorithm (VARPRO). BMC Medical Imaging, 2013, 13, 30.	2.7	30
32	Reliability of quantifying the spatial distribution of fatty infiltration in lumbar paravertebral muscles using a new segmentation method for T1-weighted MRI. BMC Musculoskeletal Disorders, 2016, 17, 234.	1.9	30
33	Higher neck strength is associated with lower head acceleration during purposeful heading in soccer: A systematic review. Journal of Science and Medicine in Sport, 2020, 23, 453-462.	1.3	29
34	Change in fatty infiltration of lumbar multifidus, erector spinae, and psoas muscles in asymptomatic adults of Asian or Caucasian ethnicities. European Spine Journal, 2017, 26, 3059-3067.	2.2	28
35	Lateral Corticospinal Tract Damage Correlates With Motor Output in Incomplete Spinal Cord Injury. Archives of Physical Medicine and Rehabilitation, 2018, 99, 660-666.	0.9	28
36	Fatty infiltration of the cervical multifidus musculature and their clinical correlates in spondylotic myelopathy. Journal of Clinical Neuroscience, 2018, 57, 208-213.	1.5	28

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37	Towards defining muscular regions of interest from axial magnetic resonance imaging with anatomical cross-reference: part II - cervical spine musculature. BMC Musculoskeletal Disorders, 2018, 19, 171.	1.9	28
38	Potential associations between chronic whiplash and incomplete spinal cord injury. Spinal Cord Series and Cases, 2015, 1, .	0.6	27
39	The Pearls and Pitfalls of Magnetic Resonance Imaging for the Spine. Journal of Orthopaedic and Sports Physical Therapy, 2011, 41, 848-860.	3.5	24
40	The qualitative grading of muscle fat infiltration in whiplash using fat and water magnetic resonance imaging. Spine Journal, 2018, 18, 717-725.	1.3	24
41	Midsagittal tissue bridges are associated with walking ability in incomplete spinal cord injury: A magnetic resonance imaging case series. Journal of Spinal Cord Medicine, 2020, 43, 268-271.	1.4	24
42	Content not quantity is a better measure of muscle degeneration in whiplash. Manual Therapy, 2013, 18, 578-582.	1.6	23
43	Prior sleep problems and adverse post-traumatic neuropsychiatric sequelae of motor vehicle collision in the AURORA study. Sleep, 2021, 44, .	1.1	23
44	Development and Validation of a Model to Predict Posttraumatic Stress Disorder and Major Depression After a Motor Vehicle Collision. JAMA Psychiatry, 2021, 78, 1228.	11.0	23
45	The Traumatic Injuries Distress Scale: A New Tool That Quantifies Distress and Has Predictive Validity With Patient-Reported Outcomes. Journal of Orthopaedic and Sports Physical Therapy, 2016, 46, 920-928.	3.5	21
46	Muscle fat infiltration following whiplash: A computed tomography and magnetic resonance imaging comparison. PLoS ONE, 2020, 15, e0234061.	2.5	20
47	Mechanisms Underlying Chronic Whiplash: Contributions from an Incomplete Spinal Cord Injury?. Pain Medicine, 2014, 15, 1938-1944.	1.9	19
48	Inter-rater reliability of trunk muscle morphometric analysis. Journal of Back and Musculoskeletal Rehabilitation, 2015, 28, 181-190.	1.1	19
49	A new clinical model for facilitating the development of pattern recognition skills in clinical pain assessment. Musculoskeletal Science and Practice, 2018, 36, 17-24.	1.3	19
50	Recommendations For Core Outcome Domain Set For Whiplash-Associated Disorders (CATWAD). Clinical Journal of Pain, 2019, 35, 727-736.	1.9	19
51	Confirming the geography of fatty infiltration in the deep cervical extensor muscles in whiplash recovery. Scientific Reports, 2020, 10, 11471.	3.3	18
52	Multi-muscle deep learning segmentation to automate the quantification of muscle fat infiltration in cervical spine conditions. Scientific Reports, 2021, 11, 16567.	3.3	18
53	A reconceptualization of the pain numeric rating scale: Anchors and clinically important differences. Journal of Hand Therapy, 2018, 31, 179-183.	1.5	17
54	Diffusion-Weighted MRI for the Healthy Cervical Multifidus: A Potential Method for Studying Neck Muscle Physiology Following Spinal Trauma. Journal of Orthopaedic and Sports Physical Therapy, 2010, 40, 722-728.	3.5	16

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55	Do findings identified on magnetic resonance imaging predict future neck pain? A systematic review. Spine Journal, 2018, 18, 880-891.	1.3	16
56	Concussion in Combination With Whiplash-Associated Disorder May Be Missed in Primary Care: Key Recommendations for Assessment and Management. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 819-828.	3.5	16
57	Cervical muscle volume in individuals with idiopathic neck pain compared to asymptomatic controls: A cross-sectional magnetic resonance imaging study. Musculoskeletal Science and Practice, 2019, 44, 102050.	1.3	16
58	Classification and Prediction of Post-Trauma Outcomes Related to PTSD Using Circadian Rhythm Changes Measured via Wrist-Worn Research Watch in a Large Longitudinal Cohort. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2866-2876.	6.3	16
59	Axial MRI biomarkers of spinal cord damage to predict future walking and motor function: a retrospective study. Spinal Cord, 2021, 59, 693-699.	1.9	15
60	Socio-demographic and trauma-related predictors of PTSD within 8 weeks of a motor vehicle collision in the AURORA study. Molecular Psychiatry, 2021, 26, 3108-3121.	7.9	14
61	Magnetic Resonance Imaging Changes in the Size and Shape of the Oropharynx Following Acute Whiplash Injury. Journal of Orthopaedic and Sports Physical Therapy, 2012, 42, 912-918.	3.5	13
62	Magnetization Transfer Ratio and Morphometrics of the Spinal Cord Associates with Surgical Recovery in Patients with Degenerative Cervical Myelopathy. World Neurosurgery, 2020, 144, e939-e947.	1.3	13
63	Lumbar muscle atrophy and increased relative intramuscular lipid concentration are not mitigated by daily artificial gravity after 60-day head-down tilt bed rest. Journal of Applied Physiology, 2021, 131, 356-368.	2.5	13
64	Intermittent short-arm centrifugation is a partially effective countermeasure against upright balance deterioration following 60-day head-down tilt bed rest. Journal of Applied Physiology, 2021, 131, 689-701.	2.5	13
65	Functional Magnetic Resonance Imaging of Cerebral Hemodynamic Responses to Pain Following Thoracic Thrust Manipulation in Individuals With Neck Pain: A Randomized Trial. Journal of Manipulative and Physiological Therapeutics, 2017, 40, 625-634.	0.9	12
66	A core outcome set for clinical trials in whiplash-associated disorders (WAD): a study protocol. Trials, 2018, 19, 635.	1.6	12
67	Thalamic volume and fear extinction interact to predict acute posttraumatic stress severity. Journal of Psychiatric Research, 2021, 141, 325-332.	3.1	12
68	MRI analysis of the size and shape of the oropharynx in chronic whiplash. Otolaryngology - Head and Neck Surgery, 2008, 138, 747-751.	1.9	11
69	Evidence for decreased Neurologic Pain Signature activation following thoracic spinal manipulation in healthy volunteers and participants with neck pain. NeuroImage: Clinical, 2019, 24, 102042.	2.7	11
70	Defining pain and interference recovery trajectories after acute non-catastrophic musculoskeletal trauma through growth mixture modeling. BMC Musculoskeletal Disorders, 2020, 21, 615.	1.9	11
71	How Is the Probability of Reporting Various Levels of Pain 12 Months After Noncatastrophic Injuries Associated with the Level of Peritraumatic Distress?. Clinical Orthopaedics and Related Research, 2021, Publish Ahead of Print, .	1.5	11
72	Are Magnetic Resonance Imaging Technologies Crucial to Our Understanding of Spinal Conditions?. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 320-329.	3.5	10

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73	Establishing the inter-rater reliability of spinal cord damage manual measurement using magnetic resonance imaging. Spinal Cord Series and Cases, 2019, 5, 20.	0.6	10
74	Brain Network Disruption in Whiplash. American Journal of Neuroradiology, 2020, 41, 994-1000.	2.4	10
75	A prospective examination of sex differences in posttraumatic autonomic functioning. Neurobiology of Stress, 2021, 15, 100384.	4.0	10
76	Advancements in Imaging Technology: Do They (or Will They) Equate to Advancements in Our Knowledge of Recovery in Whiplash?. Journal of Orthopaedic and Sports Physical Therapy, 2016, 46, 862-873.	3.5	9
77	Reliability of cervical muscle volume quantification using magnetic resonance imaging. Musculoskeletal Science and Practice, 2019, 44, 102056.	1.3	9
78	Development of 3D method to assess intramuscular spatial distribution of fat infiltration in patients with rotator cuff tear: reliability and concurrent validity. BMC Musculoskeletal Disorders, 2019, 20, 295.	1.9	9
79	The influence of conventional T ₂ MRI indices in predicting who will walk outside one year after spinal cord injury. Journal of Spinal Cord Medicine, 2023, 46, 501-507.	1.4	9
80	Fatty infiltration in cervical flexors and extensors in patients with degenerative cervical myelopathy using a multi-muscle segmentation model. PLoS ONE, 2021, 16, e0253863.	2.5	9
81	Does Overall Cervical Spine Pathology Relate to the Clinical Heterogeneity of Chronic Whiplash?. American Journal of Emergency Medicine, 2020, 38, 869-873.	1.6	8
82	New insights into intrinsic foot muscle morphology and composition using ultraâ€highâ€field (7-Tesla) magnetic resonance imaging. BMC Musculoskeletal Disorders, 2021, 22, 97.	1.9	8
83	The effects of combined motor control and isolated extensor strengthening versus general exercise on paraspinal muscle morphology and function in patients with chronic low back pain: a randomised controlled trial protocol. BMC Musculoskeletal Disorders, 2021, 22, 472.	1.9	8
84	Gluteal Muscle Atrophy and Increased Intramuscular Lipid Concentration Are Not Mitigated by Daily Artificial Gravity Following 60-Day Head-Down Tilt Bed Rest. Frontiers in Physiology, 2021, 12, 745811.	2.8	8
85	The relation between local and distal muscle fat infiltration in chronic whiplash using magnetic resonance imaging. PLoS ONE, 2019, 14, e0226037.	2.5	7
86	Cotinine Enhances Fear Extinction and Astrocyte Survival by Mechanisms Involving the Nicotinic Acetylcholine Receptors Signaling. Frontiers in Pharmacology, 2020, 11, 303.	3.5	7
87	Identification of clinically-useful cut scores of the Traumatic Injuries Distress Scale (TIDS) for predicting rate of recovery following musculoskeletal trauma. PLoS ONE, 2021, 16, e0248745.	2.5	7
88	Advancing imaging technologies for patients with spinal pain: with a focus on whiplash injury. Spine Journal, 2018, 18, 1489-1497.	1.3	6
89	Purposeful Heading in Youth Soccer: Time to Use Our Heads. Journal of Orthopaedic and Sports Physical Therapy, 2020, , 1-8.	3.5	6
90	Neurocognition after motor vehicle collision and adverse post-traumatic neuropsychiatric sequelae within 8 weeks: Initial findings from the AURORA study. Journal of Affective Disorders, 2022, 298, 57-67.	4.1	6

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91	Intramuscular lipid concentration increased in localized regions of the lumbar muscles following 60 day bedrest. Spine Journal, 2022, 22, 616-628.	1.3	6
92	How Do We Meet the Challenge of Whiplash?. Journal of Orthopaedic and Sports Physical Therapy, 2017, 47, 444-446.	3.5	5
93	Clinical Genomics in Physical Therapy: Where to From Here?. Physical Therapy, 2018, 98, 733-736.	2.4	5
94	Motor vehicle crash reconstruction: Does it relate to the heterogeneity of whiplash recovery?. PLoS ONE, 2019, 14, e0225686.	2.5	5
95	A Mediational Analysis of Stress, Inflammation, Sleep, and Pain in Acute Musculoskeletal Trauma. Clinical Journal of Pain, 2020, 36, 197-202.	1.9	5
96	microRNA let-7i-5p mediates the relationship between muscle fat infiltration and neck pain disability following motor vehicle collision: a preliminary study. Scientific Reports, 2021, 11, 3140.	3.3	5
97	Lateral Corticospinal Tract and Dorsal Column Damage: Predictive Relationships With Motor and Sensory Scores at Discharge From Acute Rehabilitation After Spinal Cord Injury. Archives of Physical Medicine and Rehabilitation, 2022, 103, 62-68.	0.9	5
98	Towards defining muscular regions of interest from axial magnetic resonance imaging with anatomical cross-reference: a scoping review of lateral hip musculature. BMC Musculoskeletal Disorders, 2022, 23, .	1.9	5
99	MRIâ€determined lumbar muscle morphometry in man and sheep: potential biomechanical implications for ovine model to human spine translation. Journal of Anatomy, 2015, 227, 506-513.	1.5	4
100	Ultrasound shear wave elastography measurement of the deep posterior cervical muscles: Reliability and ability to differentiate between muscle contraction states. Journal of Electromyography and Kinesiology, 2021, 56, 102488.	1.7	4
101	Trunk Muscle Characteristics: Differences Between Sedentary Adults With and Without Unilateral Lower Limb Amputation. Archives of Physical Medicine and Rehabilitation, 2021, 102, 1331-1339.	0.9	4
102	The Relationship Between Volitional Activation and Muscle Properties in Incomplete Spinal Cord Injury. Topics in Spinal Cord Injury Rehabilitation, 2018, 24, 1-5.	1.8	4
103	Magnetic Resonance Imaging: Generating a New Pulse in the Physical Therapy Profession. Journal of Orthopaedic and Sports Physical Therapy, 2011, 41, 803-805.	3.5	3
104	Measuring Pain for Patients Seeking Physical Therapy: Can Functional Magnetic Resonance Imaging (fMRI) Help?. Physical Therapy, 2017, 97, 145-155.	2.4	3
105	Prior histories of posttraumatic stress disorder and major depression and their onset and course in the three months after a motor vehicle collision in the AURORA study. Depression and Anxiety, 2021, , .	4.1	3
106	Letter to the editor regarding Smuck M, Cristostomo RA, Demirjian R, etÂal. Morphologic change in the lumbar spine after lumbar medial branch radiofrequency neurotomy: a quantitative radiological study Spine Journal, 2014, 14, 1088-1089.	1.3	2
107	InÂvivo magnetic resonance imaging features of spinal muscles in the ovine model. Journal of Orthopaedic Translation, 2016, 6, 1-9.	3.9	2
108	Short- and long-term reproducibility of diffusion-weighted magnetic resonance imaging of lower extremity musculature in asymptomatic individuals and a comparison to individuals with spinal cord injury. BMC Musculoskeletal Disorders, 2018, 19, 433.	1.9	2

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109	How Do We Meet the Challenges of Assessing and Managing Concussion?. Journal of Orthopaedic and Sports Physical Therapy, 2019, 49, 766-767.	3.5	2
110	Foot exercise plus education versus wait and see for the treatment of plantar heel pain (FEET trial): a protocol for a feasibility study. Journal of Foot and Ankle Research, 2020, 13, 20.	1.9	2
111	Return to employment for working-aged adults after burn injury: a scoping review protocol. BMJ Open, 2021, 11, e044145.	1.9	2
112	An Exploration of Blood Marker×Environment Interaction Effects on Pain Severity and Interference Scores in People With Acute Musculoskeletal Trauma. Clinical Journal of Pain, 2021, 37, 747-758.	1.9	2
113	Macromolecular changes in spinal cord white matter characterize whiplash outcome at 1-year post motor vehicle collision. Scientific Reports, 2020, 10, 22221.	3.3	2
114	Relationship between the morphology and composition of the lumbar paraspinal and psoas muscles and lumbar intervertebral motion in chronic lowâ€back pain: An exploratory study. Clinical Anatomy, 2022, 35, 762-772.	2.7	2
115	Integrating the Gut Microbiome and Stress-Diathesis to Explore Post-Trauma Recovery: An Updated Model. Pathogens, 2022, 11, 716.	2.8	2
116	Reliability and validity of subjective radiologist reporting of temporal changes in lumbar spine <scp>MRI</scp> findings. PM and R, 2022, 14, 1325-1332.	1.6	1
117	Characteristics and Effectiveness of Interventions That Target the Reporting, Communication, or Clinical Interpretation of Lumbar Imaging Findings: A Systematic Review. American Journal of Neuroradiology, 2022, 43, 493-500.	2.4	1
118	The Effects of Reconditioning Exercises Following Prolonged Bed Rest on Lumbopelvic Muscle Volume and Accumulation of Paraspinal Muscle Fat. Frontiers in Physiology, 0, 13, .	2.8	1
119	Clinician's Commentary on Belot et al Physiotherapy Canada Physiotherapie Canada, 2017, 69, 290-291.	0.6	0
120	034â€Higher neck strength may lower head acceleration during purposeful heading in football: a systematic review. , 2021, , .		0
121	Explaining the gap in the experience of depression among arthritis patients. Clinical Rheumatology, 2022, 41, 1227-1233.	2.2	0
122	The Development of Clinical Genomics and Genetics Within Healthcare: How Should the Allied Health Professions Respond?. Journal of Allied Health, 2019, 48, e101-e105.	0.2	0
123	Title is missing!. , 2019, 14, e0226037.		0
124	Title is missing!. , 2019, 14, e0226037.		0
125	Title is missing!. , 2019, 14, e0226037.		0

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127	Title is missing!. , 2019, 14, e0226037.		0
128	Exploring Social Determinants of Post-traumatic Pain, Distress, Depression, and Recovery Through Cross-sectional, Longitudinal, and Non-linear Trends. Clinical Journal of Pain, 0, Publish Ahead of Print, .	1.9	0
129	Cross-cultural translation and validation of the traumatic injuries distress scale – Spanish version. Disability and Rehabilitation, 0, , 1-6.	1.8	0